

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method comprising:

determining, at a base station in a wireless network, whether quality of service (QOS) can be improved for a group of wireless client devices being serviced by said base station in a wireless network by moving at least one wireless client device in said group to another available channel, wherein said base station includes at least a first wireless transceiver following a first wireless standard and a second wireless transceiver following a second wireless standard; and

moving said at least one wireless client device to said another available channel when it is determined that QOS can be improved;

wherein determining includes determining whether a wireless client device having a low quality signal is sharing said first wireless transceiver with a wireless client device having a high quality signal and, when a wireless client device having a low quality signal is sharing said first wireless transceiver with a wireless client device having a high quality signal, concluding that QOS can be improved by moving said wireless client device having a low quality signal to said second wireless transceiver.

2. (Original) The method of claim 1, wherein:

determining includes estimating current usage of transceivers that are available to service wireless client devices within said group.

3. (Original) The method of claim 1, wherein:

determining includes analyzing data rates requested by wireless client devices within said group.

4. (Original) The method of claim 1, wherein:

moving includes sending a command to said at least one wireless client device instructing said at least one wireless client device to move to said another available channel.

5.-7. (Canceled)

8. (Original) The method of claim 1, wherein:

moving said at least one wireless client device to said another available channel includes moving said at least one wireless client device to another frequency band.

9.-11. (Canceled)

12. (Currently Amended) An apparatus comprising:

a first wireless transceiver configured in accordance with a first wireless standard to operate within a first channel;

a second wireless transceiver configured in accordance with a second wireless standard to operate within a second channel, wherein said second channel is different from said first channel; and

a controller to move a remote wireless client device from said first channel to said second channel when it is determined that such a move can improve an overall quality of service being provided by said apparatus, wherein said controller determines that moving a remote wireless client device from said first channel to said second channel can improve the overall quality of service being provided by said apparatus when said remote wireless client device has a low quality signal and is sharing said first wireless transceiver with at least one other wireless client device that has a high quality signal.

13. (Original) The apparatus of claim 12, further comprising:

at least one other wireless transceiver to operate within at least one other channel, wherein said at least one other channel is different from said first and second channels.

14.-15. (Canceled)

16. (Original) The apparatus of claim 12, wherein:

said controller moves said remote wireless client device from said first channel to said second channel by sending a command to said remote wireless client device instructing said wireless client device to move to said second channel.

17. (Original) The apparatus of claim 12, wherein:
said apparatus includes a wireless access point.

18. (Currently Amended) An article comprising a storage medium having instructions stored thereon that, when executed by a computing platform, result in:

determining, at a base station in a wireless network, whether quality of service (QOS) can be improved for a group of wireless client devices being serviced by said base station in a wireless network by moving at least one wireless client device within said group to another available channel, wherein said base station includes at least a first wireless transceiver following a first wireless standard and a second wireless transceiver following a second wireless standard; and

moving said at least one wireless client device to said another available channel when it is determined that QOS can be improved;

wherein determining includes determining whether a wireless client device having a low quality signal is sharing said first wireless transceiver with a wireless client device having a high quality signal and, when a wireless client device having a low quality signal is sharing said first wireless transceiver with a wireless client device having a high quality signal, concluding that QOS can be improved by moving said wireless client device having a low quality signal to said second wireless transceiver.

19. (Original) The article of claim 18, wherein:

determining includes estimating current usage of transceivers that are available to service wireless client devices within said group.

20. (Original) The article of claim 18, wherein:

moving includes sending a command to said at least one wireless client device instructing said at least one wireless client device to move to said another available channel.

21. (Canceled)

22. (Currently Amended) A system comprising:

at least one first dipole antenna;

at least one second dipole antenna;

a first wireless transceiver, coupled to said at least one first dipole antenna and configured in accordance with a first wireless standard, to operate within a first channel;

a second wireless transceiver, coupled to said at least one second dipole antenna and configured in accordance with a second wireless standard, to operate within a second channel, wherein said second channel is different from said first channel; and

a controller to move a remote wireless client device from said first channel to said second channel when it is determined that such a move can improve an overall quality of service being provided by said system, wherein said controller determines that moving a remote wireless client device from said first channel to said second channel can improve the overall quality of service being provided by said system when said remote wireless client device has a low quality signal and is sharing said first wireless transceiver with at least one other wireless client device that has a high quality signal.

23. (Original) The system of claim 22, further comprising:

at least one other wireless transceiver to operate within at least one other channel, wherein said at least one other channel is different from said first and second channels.

24.-25. (Canceled)

26. (Original) The system of claim 22, wherein:

said controller moves said remote wireless client device from said first channel to said second channel by sending a command to said remote wireless client device instructing said remote wireless client device to move to said second channel.

27. (New) The method of claim 1, wherein:

said first wireless standard is a standard that achieves better throughput than said second wireless standard and said second wireless standard is a standard that achieves better range than said first wireless standard.

28. (New) The method of claim 1, wherein:

said first wireless standard is IEEE 802.11a and said second wireless standard is IEEE 802.11b,g.

29. (New) The method of claim 1, wherein:

the signal quality of a wireless client device is determined based upon a data rate requested by the wireless client device.

30. (New) The apparatus of claim 12, wherein:

said first wireless standard is a standard that achieves better throughput than said second wireless standard and said second wireless standard is a standard that achieves better range than said first wireless standard.

31. (New) The apparatus of claim 12, wherein:

said first wireless standard is IEEE 802.11a and said second wireless standard is IEEE 802.11b,g.

32. (New) The apparatus of claim 12, wherein:

the signal quality of a wireless client device is determined based upon a data rate requested by the wireless client device.

33. (New) The article of claim 18, wherein:

said first wireless standard is a standard that achieves better throughput than said second wireless standard and said second wireless standard is a standard that achieves better range than said first wireless standard.

34. (New) The article of claim 18, wherein:

said first wireless standard is IEEE 802.11a and said second wireless standard is IEEE 802.11b,g.

35. (New) The article of claim 18, wherein:

the signal quality of a wireless client device is determined based upon a data rate requested by the wireless client device.

36. (New) The system of claim 22, wherein:

said first wireless standard is a standard that achieves better throughput than said second wireless standard and said second wireless standard is a standard that achieves better range than said first wireless standard.

37. (New) The system of claim 22, wherein:

said first wireless standard is IEEE 802.11a and said second wireless standard is IEEE 802.11b,g.